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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/811,732	03/29/2004	Kevin Girard Conwell	13814	1432

7590 04/24/2006

ORUM & ROTH
53 W. JACKSON BLVD
CHICAGO, IL 60604

EXAMINER

NGUYEN, CAMTU TRAN

ART UNIT	PAPER NUMBER
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3743

DATE MAILED: 04/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/811,732

Applicant(s)

CONWELL ET AL.

Examiner

Camtu T. Nguyen

Art Unit

3743

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 4-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 4-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Applicant's comments

This Office Action is in response to applicant's amendment filed on March 20, 2006. No claim has been amended. Applicant's comments pertaining to the Conwell et al have been carefully considered and deemed persuasive. The claims, however, have been very carefully considered and are rejected in the following manner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 4-7, and 12-14 are rejected under 35 U.S.C. 102(a) as being anticipated by Codos et al (U.S. Patent No. 6,467,898). Codos et al discloses in Figures 2-4 a printing machine (600) having a housing (601) comprising a conveyor table (615) on which a length of substrate web (605) is supported for printing, jet UV ink heads (640, 641), UV light heads (645, 646) exposing sufficient level of UV light onto jet UV ink printed on substrate (605), and a series of rollers (666) take up and roll the printed material web (605). The printing machine (600) and housing (601), as a unified apparatus, the UV light heads (645, 646) is attached to the rollers (666).

Art Unit: 3743

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Codos et al (U.S. Patent No. 6,467,898) in view of Lincoln et al (U.S. Patent No. 5,935,525). Codos et al discloses in Figures 2-4 a printing machine (600) having a housing (601) comprising elements as recited in these claims but does not teach a reflector. Lincoln et al discloses in Figure 3a ultraviolet lamp (80) having a reflector (82). Therefore it would have been obvious to one skilled in the art to install reflector as taught by Lincoln et al in Codo et al's UV lamps as such would direct UV radiation onto labels (4).

Claims 8-11 and 15-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Codos et al (U.S. Patent No. 6,467,898) in view of Ylitalo et al (U.S. Patent No. 6,543,890). Codos et al discloses in Figures 2-4 a printing machine (600) having a housing (601) comprising elements as recited in these claims but does not teach at least one filter. Ylitalo et al discloses in Figures 1-8 an apparatus for radiation curing of ink used in inkjet printing. Figures 1 and 2 illustrate a curing device (16) having at least one or more of source UV radiation including UV lamps (17). Figure 2 further illustrates the UV lamp (17) having a shield (20). Ylitalo et al discloses the possibility to modify the UV lamp by adding an infrared filter (column 2 lines 45-51). Therefore it would have been obvious to one ordinary skill in the art to modify the Codo et al's UV lamp (5) to include a filter as such would reduce the amount of heat reaching the labels.

Art Unit: 3743

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Camtu T. Nguyen whose telephone number is 571-272-499. The examiner can normally be reached on (M-F) 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry A. Bennett can be reached on 571-272-4791. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Camtu Nguyen
April 4, 2006


Henry Bennett
Supervisory Patent Examiner
Group 3700